DOCUMENT RESUME

ED 379 162 SE 055 787

AUTHOR Restivo, Sal, Ed.; And Others
TITLE Math Worlds: Philosophical and Social Studies of Mathematics and Mathematics Education.
REPORT NO ISBN-0-7914-1330-6
PUB DATE 93
NOTE 292p.
AVAILABLE FROM State University of New York Press, State University Plaza, Albany, NY 12246 (cloth: ISBN-0-7914-1329-2; paperback: ISBN-0-7914-1330-6, $19.95).
PUB TYPE Books (010) -- Collected Works - General (020) -- Information Analyses (070)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Educational Philosophy; Elementary Secondary Education; Mathematicians; *Mathematics; *Mathematics Education; *Politics of Education; *Social Influences

ABSTRACT

This book is a compilation of papers from authors who are all concerned with what bearing mathematical practice has on the production or construction of mathematics. The sections and chapters are: (1) General Introduction: "The Promethean Task of Bringing Mathematics to Earth" (S. Restivo); (2) Philosophical Perspectives: "Foundations of Mathematics or Mathematical Practice: Is One Forced to Choose?" (J. P. Van Bendegem), "A Naturalized Epistemology for a Platonist Mathematical Ontology" (M. D. Resnick), "Mathematical Skepticism: Are We Brains in a Countable Vat?" (T. Tymoczko), "Philosophical Problems of Mathematics in the Light of Evolutionary Epistemology" (Y. Rav); (3) Mathematics, Politics, and Pedagogy: "Mathematics as a Means and as a System" (R. Fischer), "Reflections on the Foundations of Research on Women and Mathematics" (H. Jungwirth), "Politicizing the Mathematics Classroom" (N. Noddings), "The Dialogical Nature of Reflective Knowledge" (O. Skovsmose), "Applied Mathematics as Social Contract" (P. J. Davis); and (4) Mathematics, Society, and Social Change: "Mathematics and Social Change" (R. Fischer), "The Social System of Mathematics and National Socialism: A Survey" (H. Mehrtens), and "The Social Life of Mathematics" (S. Restivo). Author and subject indexes are included. (MKR)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****